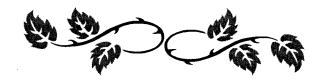
OMB# 0925-0434 Expiration Date: 6/30/99 ID# REC 0 SUB 0 BL0 0 0 0 0 0 SCREENER ID 0 3 **VER FORM INTERVIEWER** INTERVIEW DATE **YEAR MONTH** DAY AM

WORKERS' HEALTH STUDY

Questionnaire



Public reporting burden for this collection of information is estimated to average 60 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to: NIH Project Clearance Office, 6701 Rockledge Drive, MSC 7730, Bethesda, MD 20892-7730, ATTN: PRA (0925-0434). Do not return the completed form to this address.

PM

TIME INTERVIEW BEGAN

Thank you for agreeing to participate in this interview. The questions on this form are about your experience working in agriculture and in other jobs, your habits, and your health. We are trying to learn about how your work is related to your health. Please answer the questions as best you can. If you are not sure of an answer, please give me your best guess.
You don't have to answer any question unless you want to. Your name does not appear on this form; it is identified only by a number. Please be assured that all information that you provide will be kept confidential as provided by law.
This interview will take about 1 hour.

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SECTION A: GENERAL INFORMATION I

First I will ask for some general information. MALE......1 A1. CODE GENDER WITHOUT ASKING: FEMALE2 MONTH DAY **YEAR** A2. What is your birth date? A2a. That makes you _____ years old, right? A3. What country were you born in? (IF US, SKIP TO A5) A4. How old were you when you first came to live in the United States? **AGE** Hispanic1 A5. Which of these groups best describes your White, not of Hispanic origin.....2 racial or ethnic heritage? Black, not of Hispanic origin.....3 (READ CATEGORIES) American Indian or Alaskan Native4 Asian or Pacific Islander5 Other6 (SPECIFY)

A6. What languages do you speak? (IF >2, PROBE FOR 2 USED MOST)

	YES	<u>NO</u>
English	1	2
Spanish	1	2
Haitian Creole	1	2
Other	1	2
SPECIFY:		

IF R ANSWERS "YES" **ONLY** TO ENGLISH, SKIP TO SECTION B

IF R ANSWERS "YES" **ONLY** TO SPANISH, SKIP TO SECTION B

IF R ANSWERS "YES" TO SPANISH AND ANYTHING ELSE EXCEPT ENGLISH, SKIP TO SECTION B

IF R ANSWERS "YES" TO ENGLISH AND SPANISH, ASK A7, GROUP 1

IF R ANSWERS "YES" TO ENGLISH AND HAITIAN CREOLE, ASK A7, GROUP 2

IF R ANSWERS "YES" TO ENGLISH AND 'OTHER', ASK A7, GROUP 3

A7. What languages do you usually speak with your friends? (READ CATEGORIES IN GROUP 1, 2, OR 3):

<u>GROUP 1</u>	Only Spanish	1
	Spanish more than English	2
	Spanish and English equally	
	English more than Spanish	
	Only English	
	SKIP TO SECTION B	
GROUP 2	Only Haitian Creole	1
GROOT Z	Haitian Creole more than English	
	Haitian Creole and English equally	
	English more than Haitian Creole	
	Only English	
	SKIP TO SECTION B	
CDOLID 2	0.1 (0771777)	
GROUP 3	Only (OTHER)	
•	(OTHER) more than English	
	(OTHER) and English equally	
	English more than (OTHER)	
	Only English	3
	SKIP TO SECTION B	

SECTION B: FARMWORK

Now I'm going to ask about your work. Please tell me only about work you got paid to do, either on a salary or on contract.

B1.	When we talk about farmwork, we mean any kind of agricultural work, including vegetables, citrus or other fruits, ferns, nurseries or greenhouses, landscaping, or work with animals. Have you ever gotten paid to do farmwork?	YES1 NO(SECTION C, QUESTION C3)2
B2.	How old were you when you first got paid to do farmwork?	AGE
В3.	Have you ever gotten paid to do farmwork outside the United States? That includes Puerto Rico. Remember, we mean any kind of agricultural work, including vegetables, citrus or other fruits, ferns, nurseries or greenhouses, landscaping, or work with animals.	YES1 NO(B6)2
B4.	How many years did you do farmwork outside the United States at least part of the time?	#YEARS
B5.	In an average year, how many months did you do farmwork outside the United States?	#MONTHS
B6.	Have you ever gotten paid to do farmwork in the United States?	YES
B7.	What year did you first begin to do farmwork in the United States?	YEAR

B8.	How many years have you done farmwork in the United States at least part of the time? Remember, we mean any kind of agricultural work, including vegetables, citrus or other fruits, nurseries or greenhouses, landscaping,or work with animals.	#YEARS
В9.	In an average year, how many months did you do farmwork in the United States?	#MONTHS
B10.	Was some of that time spent as a migrant worker, moving from place to place, following the crops?	YES
B11.	How many years did you spend as a migrant worker at least part of the time?	#YEARS
B12.	In an average year, how many months did you spend as a migrant worker?	#MONTHS

LIFETIME FARMWORK

I'd like to make a list of all the kinds of farmwork <u>you've gotten paid to do</u>, including any farmwork you may have done outside the U.S. Please tell me only about jobs you've had since the age of 14.

		····			D15	D16
	B13. ve you ever worked (in/v)?	B14. What year did you start working (in/with) (ITEM)?	B15. What year did you last work (in/with) (ITEM)?	B16. How many years did you work (in/with) (ITEM) at least part of the time?
		YES	NO	YEAR	YEAR	#YEARS
a.	ferns	1	2	19	19	
b.	nursery or greenhouse	1	2	19	19	
c.	picking citrus	1	2	19	19	
d.	doing field work with any other fruit, like apples or berries	1	2	19	19	
e.	doing field work with any vegetables	1	2	19	19	
f.	hogs, cattle, or other animals	1	2	19	19	
g.	any other crops, like cotton or tobacco	1	2	19	19	
h.	landscaping	1	2	19	19	

KEEP THIS PAGE OPEN AS YOU CONTINUE THROUGH THE QUESTIONNAIRE.

	T .	
B17. In an average year, how many months did you work in (ITEM)?	B18. When you were working in (ITEM), on average how many hours per week did you work?	B19. What are the three (fruits/vegetables/animals/other crops) you have spent the most time working with?
#MONTHS	#HOURS	** FOR h: What 3 activities did you do most often?
		**

FOR FERNWORKERS

IF R HAS NOT WORKED IN FERNS, SKIP TO NURSERY WORKERS ON PAGE 15.

You say you have worked in ferns. I would like to ask you some more questions about your jobs in ferns. I will ask you about each employer you had in ferns, starting with your first employer. Please tell me only about jobs you've had since the age of 14, that you got paid to do.

B20.	B21.	B22.	B23.		
(Who was your first employer? /	What year did you start	How many years did	In an average year, how		
Who was your employer after that?)	working for this	you work for this	many months did you		
	employer?	employer at least	work for this employer?		
	What year did you stop	part of the time?			
EMPLOYER	working for this				
ENTESTER	employer?				
	YEAR	#YEARS	#MONTHS		
01	start 19				
	start 19				
	1 1 1		(IF B22 X B23 IS LESS		
	stop 19		THAN 6 MOS., SKIP TO		
			NEXT EMPLOYER)		
02.					
<u> </u>	start 19				
			(IF B22 X B23 IS LESS THAN 6 MOS., SKIP TO		
	stop 19		NEXT EMPLOYER)		
			,		
03	start 19				
	start 19	<u> </u>			
			(IF B22 X B23 IS LESS		
[stop 19		THAN 6 MOS., SKIP TO		
			NEXT EMPLOYER)		
04.					
	start 19				
			(22222222222222222222222222222222222222		
	stan 10		(IF B22 X B23 IS LESS THAN 6 MOS., SKIP TO		
ļ <u></u>	stop 19		NEXT EMPLOYER)		
		<u> </u>	I		

#SUB	

			EXPLAIN CARD NOW				
B24. The busy season in ferns is usually from January to May. During the busy season, how many hours a week did you usually work? #HOURS	B25. During the slow season, how many hours a week did you usually work? #HOURS	B26. Was part of your job dipping or packing the ferns? YES NO 1 2	B27. How often was water for washing your hands available on this job? (SHOW CARD) Never	usual which	our em ly tell v areas spraye	worker	rs ecently
		1 2	Never 1 Sometimes 2 Most of the time 3 Always 4	1	2	7	8
		1 2	Never	1	2	7	8
		1 2	Never	1	2	7	8

CONTINUATION SHEETS YES

NO

BE SURE TO ASK B29 ON THE NEXT PAGE.

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B29.	The busy season in ferns is usually from January
	to May. For all the jobs you've had in ferns, how
	many bunches of ferns did you usually cut each
	day during the busy season?

#DI	INIC	HEC

NURSERY OR GREENHOUSE WORKERS

IF R HAS NOT WORKED IN NURSERIES OR GREENHOUSES, SKIP TO CITRUS ON PAGE 21.

You say you have worked in nurseries. I would like to ask you some more questions about your jobs in nurseries. I will ask you about each employer you had in nurseries, starting with your first employer. Please tell me only about jobs

you've had since the age of 14 that you got paid to do.

	D21	B32.	B33.	B34.
B30.	B31.	Į.		
(Who was your first	What year did you	How many years	In an average year,	During the time
employer? / Who was	start working for this	did you work for	how many months did	you worked there,
your employer after	employer?	this employer at	you work for this	how many hours
that?)		least part of the	employer?	per week did you
	What year did you	time?		usually work?
	stop working for this		[
	employer?			
EMBL OVER	1 2	#XEADC	#MONITHE	ДПОПР С
EMPLOYER	YEAR	#YEARS	#MONTHS	#HOURS
01.				
	start 19			
			(IF B32 X B33 IS	
	1 1 1		LESS THAN 6 MOS.,	
	stop 19		SKIP TO NEXT	
			EMPLOYER)	
02.				
	start 19		L	
}			(IF B32 X B33 IS	
	liii		LESS THAN 6 MOS.,	
	stop 19		SKIP TO NEXT	
			EMPLOYER)	
03.]	1 1 1		
05.	start 19			
	statt 19		(IE D22 X D22 IG	<u> </u>
			(IF B32 X B33 IS	
			LESS THAN 6 MOS.,	
	stop 19		SKIP TO NEXT	
<u> </u>			EMPLOYER)	
04.				1 1 1
	start 19			
			(IF B32 X B33 IS	
			LESS THAN 6 MOS.,	
	stop 19		SKIP TO NEXT	
	r \		EMPLOYER)	
			L	

D25	B36.	B37.	B38.
B35. What were the main types of plants you worked with on this job? (ANSWER FOR EACH; ALLOW UP TO 2 "YES" ANSWERS)	Did you spend most of your time in (ALLOW ONLY 1)	How close was the area where people usually ate or took breaks to the area where chemicals were mixed or stored? (READ CATEGORIES) 1-5 meters	When plants were sprayed with pesticides how close were you or other workers to the spraying? (READ CATEGORIES) 3 meters or less 1
indoor ornamentals or	~	6-10 meters2	4-6 meters 2
tropical foliage1 2	shade house, shaded	>10 meters3	7-10 meters 3
woody ornamentals grown outside 1 2	area, or outside2	No chemical area4	>10 meters 4
citrus or tropical fruit	a packing house3	No chemical area4	Never sprayed 5
young plants from seed or cuttings1 2 other (orchids cactus berries)1 2	other4		Never sprayed 3
other (orchids, cactus, berries)1 2 SPECIFY:	SPECIFY		
indoor ornamentals or	a greenhouse1	1-5 meters1	3 meters or less 1
tropical foliage1 2	shade house, shaded	6-10 meters2	4-6 meters2
woody ornamentals grown outside 1 2	area, or outside2	>10 meters3	7-10 meters3
citrus or tropical fruit1 2	a packing house3	No chemical area4	>10 meters 4
young plants from seed or cuttings1 2			Never sprayed 5
other (orchids, cactus, berries)1 2	other4		
SPECIFY:	SPECIFY		
indoor ornamentals or	a greenhouse1	1-5 meters1	3 meters or less 1
tropical foliage1 2	shade house, shaded	6-10 meters2	4-6 meters2
woody ornamentals grown outside 1 2	area, or outside2	>10 meters3	7-10 meters3
citrus or tropical fruit1 2	a packing house3	No chemical area4	>10 meters 4
young plants from seed or cuttings1 2	other4		Never sprayed 5
other (orchids, cactus, berries)1			
SPECIFY:	SPECIFY		
indoor ornamentals or	a greenhouse1	1-5 meters1	3 meters or less 1
tropical foliage1 2	shade house, shaded	6-10 meters2	4-6 meters2
woody ornamentals grown outside 1 2	area, or outside2	>10 meters3	7-10 meters 3
citrus or tropical fruit 2	a packing house3	No chemical area4	>10 meters4
young plants from seed or cuttings1 2	other4		Never sprayed 5
other (orchids, cactus, berries)1 2	SPECIFY		
SPECIFY:	SI LOIFI		
		1	

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11000	

B39. Did your employer usually tell workers which areas had recently been sprayed with pesticides? B40. Did you usually wear gloves while working on this job?		s ing ?	B41. What type of gloves did you wear most of the time? (READ CATEGORIES FOR FIRST JOB)	B42. Was part of your job drenching the soil or the roots of the plants with a mixture of water and chemicals or pesticides?		B43. Was part of your job dipping the plants into a solution containing chemicals or pesticides?				
Y	N	R	DK	YES	NO		YES	NO	YES	NO
1	2	7	8	1 (IF NO, GO TO B42)	2	cloth	1	2	1	2
1	2	7	8	1 (IF NO, GC TO B42)	2	cloth	1	2	1	2
1	2	7	8	1 (IF NO, GO TO B42)	2	cloth	1	2	1	2
1	2	7	8	1 (IF NO, GO TO B42)	2	cloth	1	2	1	2

(FOLD OUT PAGE FOR THREE PAGE TABLE)

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CITRUS WORKERS

IF R HAS NOT WORKED IN CITRUS, SKIP TO SECTION C, PAGE 24.

You say you have worked picking citrus. I would like to ask you some more questions about your jobs in citrus. I will ask you about each employer you had in citrus, starting with your first employer. Please tell me only about jobs you've

had since the age of 14 that you got paid to do.

had since the age of 14 that you got paid to do.							
B44.	B45.	B46.	B47.	B48.	B49.		
(Who was your first	What year did you	How many	In an average	During the	What types of fruit		
employer? / Who was	start working for	years did you	year, how	time you	did you pick at this		
your employer after that?)	this employer?	work for this	many months	worked there,	job?		
		employer at	did you work	how many	(READ		
EMPLOYER	What year did you	least part of the	for this	hours per	CATEGORIES AND		
	stop working for	time?	employer?	week did you	ANSWER FOR		
	this employer?			usually work?	EACH)		
	YEAR	#YEARS	#MONTHS	#HOURS	Y N		
01.					Oranges 1 2		
01.			, , ,				
	start				1 -		
	19	L			Tangerines 1 2		
			(IF B46 X B47		Other 2		
			IS LESS		SPECIFY:		
 	,		THAN 6				
	stop		MOS., SKIP				
	19		TO NEXT				
			EMPLOYER)				
02.					Oranges 2		
					Grapefruit 1 2		
	start				Tangerines 1 2		
	19		(IF B46 X B47		Other 2		
			IS LESS		SPECIFY:		
			THAN 6		SPECIFI:		
	stop		MOS., SKIP				
	19 📖		TO NEXT				
			EMPLOYER)				
03.					Oranges 2		
				1 1 1	Grapefruit 1 2		
	start				Tangerines 1 2		
	19		(IF B46 X B47		Other 1 2		
			IS LESS				
			THAN 6		SPECIFY:		
	stop		MOS., SKIP				
<u> </u>	19		TO NEXT				
			EMPLOYER)				
04.					Oranges 1 2		
				, , ,	Grapefruit 1 2		
	start				Tangerines 1 2		
	19 📖		(IE DAC V DAZ		Other 1 2		
			(IF B46 X B47 IS LESS				
			THAN 6		SPECIFY:		
	stop		MOS., SKIP				
	19		TO NEXT				
			EMPLOYER)				
	L		1 = 1.12 = 3 1 211)	I	1		

#SUB	

(SHOW CARD -EXI						IF YES TO B53:	
B50. How often did you use clippers on this job?	B51. How often was water for washing your hands available on this job?	usua whi rece spra	B52. Did your employer usually tell workers which fields had recently been sprayed with pesticides?			B53. Were you ever working in a grove at the same time it was being sprayed?	B54. How often did this happen at this job?
		Y	N	R	DK	Y N R DK	#TIMES PER
Never	Never 1 Sometimes 2 Most of the time 3 Always 4	1	2	7	8	1 2 7 8 (IF N, R, OR DK, SKIP TO NEXT EMPLOYER)	MO1 YR2 IN TOTAL3 (EXAMPLE: IF IT ONLY HAPPENED THREE TIMES IN TOTAL, WRITE 03 AND CIRCLE "3")
Never	Never 1 Sometimes 2 Most of the time 3 Always 4	1	2	7	8	1 2 7 8 (IF N, R, OR DK, SKIP TO NEXT EMPLOYER)	MO1 YR2 IN TOTAL3 (EXAMPLE: IF IT ONLY HAPPENED THREE TIMES IN TOTAL, WRITE 03 AND CIRCLE "3")
Never	Never 1 Sometimes 2 Most of the time 3 Always 4	1	2	7	8	1 2 7 8 (IF N, R, OR DK, SKIP TO NEXT EMPLOYER)	MO1 YR2 IN TOTAL3 (EXAMPLE: IF IT ONLY HAPPENED THREE TIMES IN TOTAL, WRITE 03 AND CIRCLE "3")
Never	Never 1 Sometimes 2 Most of the time 3 Always 4	1	2	7	8	1 2 7 8 (IF N, R, OR DK, SKIP TO NEXT EMPLOYER)	MO1 YR2 IN TOTAL3 (EXAMPLE: IF IT ONLY HAPPENED THREE TIMES IN TOTAL, WRITE 03 AND CIRCLE "3")

CONTINUATION SHEETS

YES

NO

SECTION C: WORK HISTORY

I'd like to ask about the work you have done for pay just in the last two months, (both farmwork and other work).

IF R ANSWERED FERN, NURSERY OR GREENHOUSE, OR CITRUS MODULE, ASK C1. FOR ALL OTHERS, SKIP TO C3.

C1. You said your most recent job in (ferns/nurseries/citrus) was with (EMPLOYER). Were you working there in the last two months?			YES NO	(C6)	2	
C2. D	C2. Did you have any other job in the last two months?			YES NO	(C4) (C9)	1
С3. Н	Iave you been	n working during the last tw	vo months?	YES NO		
					#SUB	
(Who we employed you have	er?/Did ve any other he last two	C5. What did the company make or do?			C7. During the last two months, how many weeks did you work in this job?	C8. How many hours per week did you work in this job? #HOURS
01.						
02.						
100						
03.						

CONTINUATION SHEETS

YES

NO

Now I'd like to ask about jobs (other than farmwork) that you have had since the age of 14 that you got paid to do.

C9.	Have you ever gotten paid to do any k work (other than farmwork), even for time? That includes packing vegetable citrus or working in a citrus cannery.	a short		YES(0 NO	C10)1 2
IF:	NO TO C9: IF R HAS NEVER DO CHECK HERE ALL OTHERS SKIP	AND		OF WORK FOR PAY, INCLU O SECTION F.	DING FARMWORK,
	C10. ve you ever had a job (ITEM)? NO, GO TO NEXT ITEM			C11. How many years did you have a job (ITEM) at least part of the time?	C12. In an average year, how many months did you have a job (ITEM)?
ITE	EM	YES	NO	#YEARS	#MONTHS
a.	painting (IF NO, SKIP TO b)	1	2		
	1. doing outdoor house painting	1	2	1.	
	2. doing indoor house painting	1	2	2.	
	3. doing other painting	1	2	3.	
SPI	ECIFY:				
b.	in construction (IF NO, SKIP TO c)	1	2		
	1. roofing	1	2	1.	
	2. laying carpet	1	2	2.	
	3. in other construction	1	2	3.	
SPI	ECIFY:				
c.	dry cleaning	1	2		
d.	pumping gas	1	2		
e.	in a laboratory, pharmacy, or medical or dental office	1	2	1 1 1	
	TYPE:				
f.	doing factory work SPECIFY:	1	2		

	C10.			C11.	C12.
Hav	ve you ever had a job (ITEM)?			How many years did you	In an average year,
IF 1	NO, GO TO NEXT ITEM			have a job (ITEM) at least part of the time?	how many months did you have a job (ITEM)?
ITE	EM	YES	NO	#YEARS	#MONTHS
g.	as a mechanic or mechanic's helper, including auto repair	1	2		
h.	welding or brazing	1	2		
i.	soldering	1	2		
j.	electroplating	1	2		
k.	removing paint (IF NO, SKIP TO 1)	1	2		
	1. removing paint by sandblasting	1	2	1.	
	2. removing paint with a heat gun	1	2	2.	
	3. removing paint with chemicals	1	2	3.	
1.	machining parts	1	2		
m.	repairing radiators	1	2		
n.	repairing or reclaiming batteries	1	2		
0.	working with solvents used to clean or lubricate parts	1	2		
p.	working with dyes or pigments	1	2		
q.	using equipment that vibrates a lot	1	2		
	SPECIFY:				
r.	packing citrus or working in a citrus cannery	1	2		
s.	in a vegetable, fruit, or berry packing or processing plant	1	2		

C13.	Since you were 14, what is the one type of work that you have done most for pay ?		
IF F.	ARMWORK OR LANDSCAPING CHECK HERE _	AND SKIP TO C17.	
C14.	How many years did you do that type of work at least part of the time?		#YEARS
C15.	In an average year, how many months did you do that type of work?		#MONTHS
C16.	What were the three main activities that you did while doing that type of work?		
C17.	Since you were 14, how many years have you worked in jobs that were paid on contract or by the piece and not by the hour?		#YEARS (<1 YEAR = 00)

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SECTION D: HYGIENE

The next questions are about your habits while (doing farmwork or other jobs/working) for pay.	We're still talking
about your life since age 14.	

about your life since age 14.					
II	F R <u>NEVER</u> DID FARMWORK, CHECK HERE	AND ASK	D2 O	NLY.	
IJ	F R HAS <u>ONLY</u> DONE FARMWORK (NO TO C9) CHE	CK HERE _		_AND <u>ASK D</u>	1 ONLY.
	D1. irst I'm going to ask about your habits while doing farmwork. hile you were doing farmwork			(What about) While you we other jobs)	
		YES	NO	YES	NO
a.	did you usually wear a long-sleeved shirt?	1	2		
b.	did you usually have specific clothes that you wore only to work in and not at other times?	1	2	1	2
c.	did you usually wear the clothes you worked in two or more days before washing them?	1	2	1	2
d.	were the clothes you worked in usually washed with the rest of your clothes?	1	2	1	2
e.	did you usually soak the clothes you worked in in a washtub before you washed them or did you run them through the washer several times?	1	2	1	2
f.	when you came home from work, did you usually change clothes before you ate or prepared food?	1	2	1	2
g.	when you came home from work, did you usually bathe or shower before you ate or prepared food?	1	2	1	2
h.	We know that sometimes soap and water are not available on the job. While you were (doing farmwork/working), did you usually wash your hands with soap and water before eating a meal or a snack?	1	2	1	2

2

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i. did you usually carry your own drinking water or other drinks to your job if they weren't easily available?

SECTION E: WORK WITH PESTICIDES

The next questions are about jobs you may have had working with pesticides. These are chemicals like insecticides, fungicides, fumigants, or herbicides but NOT fertilizer. I am still interested in jobs you had since the age of 14 that you got paid to do.

E1.	Pesticides have to be mixed before they are used. Have you ever had a job where you MIXED pesticides or helped someone else mix them?	YES
E2.	How many years did you have jobs where you MIXED pesticides at least part of the time?	#YEARS
E3.	In an average year, how many times did you MIX pesticides?	#TIMES
E4.	Did you usually know the names of the chemicals you were MIXING?	YES
E5.	When you were MIXING pesticides, how often did you wear gloves? (SHOW CARD - EXPLAIN IF NECESSARY)	Never (E8) 1 Sometimes 2 Most of the time 3 Always 4
E6.	Did you usually wear heavy rubber or plastic gloves?	YES1 NO2
E7.	If you got a hole in your glove while you were MIXING pesticides, did you usually change it right away?	YES

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E8.	When you were MIXING pesticides, did you usually wear (READ CATEGORIES AND ANSWER FOR EACH)	a. b. c. d.	YES rubber boots?	NO 2 2 2 2 2
E9.	Did you usually wash with soap and water within 30 minutes after you finished MIXING pesticides?		YESNO	1
E10.	When you were MIXING pesticides, did you ever get a large amount of pesticides on your clothes or skin during a spill or while cleaning up from a spill?		YES(E12)	1
E11.	How many times did this happen?			#TIMES
pesti exper	I'm going to ask about jobs where you APPLIED pesticides to cides are chemicals like insecticides, herbicides, fungicides, or rience you may have had dipping ferns, dipping or drenching ying pesticides for landscaping or to kill insects in buildings.	r fun	nigants, but NOT fertilizer. Please i	nclude any
E12.	Did you ever have a job where you APPLIED pesticides to plants, animals, or buildings, or helped someone else apply the pesticides?		YES(E23)	
E13.	How many years did you have jobs where you APPLIED pesticides at least part of the time?			#YEARS
E14.	In an average year, how many times did you APPLY pesticides?			#TIMES

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E15.	When you were APPLYING pesticides, how often did you wear gloves? (SHOW CARD - EXPLAIN IF NECESSARY)	Never (E17) 1 Sometimes 2 Most of the time 3 Always 4
E16.	What type of gloves did you <u>usually</u> wear? (READ CATEGORIES)	Cloth
E17.	When you were APPLYING pesticides, did you usually wear (READ CATEGORIES AND ANSWER FOR EACH)	YES NO a. rubber boots?
E18.	Did you usually wash with soap and water within 30 minutes after you finished APPLYING pesticides?	YES
E19.	When you were APPLYING pesticides, did you ever get a large amount of pesticides on your clothes or skin during a spill or while cleaning up from a spill?	YES
E20.	How many times did this happen?	#TIMES

			YES	NO
E21.	What methods have you used to APPLY	a.	air blast 1	2
	pesticides?	b.	mist blower or fogger 1	2
	(READ CATEGORIES AND ANSWER	c.	boom on tractor, truck, or trailer 1	2
	FOR EACH)	d.	backpack sprayer 1	2
	,	e.	hand spray gun or wand	
			under low pressure 1	2
		f.	hand spray gun or wand	
			under high pressure1	2
		g.	any other method? 1	2
		Ü	SPECIFY:	
			YES	NO
E22.	Which of these methods did you use most	a.	air blast 1	2
	often?	b.	mist blower or fogger 1	2
	(REPEAT E21 "YES" RESPONSES IF	c.	boom on tractor, truck, or trailer 1	2
	NECESSARY)	d.	backpack sprayer 1	2
		e.	hand spray gun or wand	
			under low pressure 1	2
		f.	hand spray gun or wand	
			under high pressure 1	2
		g.	other method? 1	2
			SPECIFY:	
E23.	Over your lifetime, how many hours of training have		had less than 1 hour of training	
	you had on the hazards of pesticides and how to handle		had 1 to 10 hours of training	2
	them safely? Have you		had more than 10 hours of training	
	(READ CATEGORIES)		never had any training	

SECTION F: SMOKING

The	next questions are about your smoking habits.	
F1.	During your entire lifetime, have you smoked at least 100 cigarettes (1 pack = 20 cigarettes)?	YES
F2.	Have you smoked cigarettes in the past year?	YES1 NO2
F3.	How many years in total (did you smoke/ have you been smoking)?	#YEARS
F4.	On the average during the whole time you (smoked/have been smoking), about how many cigarettes did you smoke each day?	#CIGS/DAY
F5.	During the time you (smoked/have been smoking), did you usually smoke during the work day?	YES

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SECTION G: ALCOHOL USE

The next questions are about alcoholic beverages. This means beer, wine, wine coolers, liquor such as tequila, whiskey, rum, gin, vodka, or any other type of alcoholic beverage. One drink is one beer, one glass of wine, or one shot of liquor. (SHOW GLASSES)

G1.	During your adult life, have you had at drinks of any kind of alcoholic beverag		NO(S REFUSED(S	
G2.	Have you drunk any beer, wine, or liqu the last year?	or in	NO	
G3.	Please think about your drinking habits Remember, one drink is one beer, one gone shot of liquor. a. b. c. d. e.		ays?days?days?days?	
G4.	In the last year, how many times did yo more drinks at one time?	u have 5 or		#TIMES

Now think back over your adult life.

G5.	Was there ever a period in your life when you or your family were concerned that your drinking interfered with your family life?	YES
G6.	Was there ever a period in your life when you, your family, or your employer were concerned that your drinking interfered with your job or your ability to get things done?	YES
G7.	Was there ever a period in your life when a doctor or a health professional told you that your drinking was hurting your health?	YES
G8.	Did you ever wake up in the morning after you had been drinking, and find that you couldn't remember where you had been or what had happened?	YES
G9.	How many times has this happened?	#TIMES
G10.	Did you ever try to quit drinking altogether and find that you couldn't?	YES

SECTION H: HOME LIFE

The next questions are about your home life.

These are dishes made of traditional pottery from Mexico or Central America. We are talking about pottery that has been glazed or painted. (SHOW POTTERY)

H1.	How often do you currently eat food that	1 1 1		
	has been cooked in traditional pottery?			WEEK1
	(NEVER = 00)	#TIMES	PER	MONTH2

H2.	Over your lifetime, about how many years did you	
	eat food that was cooked in traditional pottery?	
		#YEARS
		(NEVER = 00)

H3.	. How many years or months have you lived on a field	
	where crops were treated with pesticides, or within 100	
	meters of a field?	

	·
#YEARS	OR #MONTHS
	(NONE = 00)

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rev. 01/31/97

SECTION I: MEDICAL HISTORY

Now I have some questions about your health.

I-1.	Have you had a cold or flu in the last two months?	YES1 NO2
I-2.	During the last two months, have you taken any medications that were prescribed by a doctor?	YES
I-3.	Please tell me what prescription medications you have taken the last two months. (LIST ALL) a. b. c. d. e.	
ASK I-4.	I-4 FOR WOMEN ONLY. FOR MEN, SKIP TO I-5. Are you pregnant now or have you been pregnant in the last two months?	YES1 NO

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The next questions are about injuries that might have occurred at work or any other time.

I-5.	Did you ever injure your head severely?	YES(I-13) NO(I-13) REFUSED(I-13)	2
I-6.	How many times did this happen?		#TIMES
		#SUB	

I-7.	I-8.		I-	9.	I-10.	I-11.	I-	12.
How old were you	Did you f	orget	Were y	ou	How many	How much time did	Did you	_
(the last time you	where you		knocke		minutes were	you take off work	medica	l help?
severely injured	were or w	hat	uncons	cious?	you	because of your		
your head/the time	you were				unconscious?	injury?		
before that)?	doing, eve					(NONE = 00)		
	a short tin							_
AGE	YES	NO	YES	NO	#MINUTES	#HOURS OR #DAYS	YES	NO
01.	1	2	1	2	1 1 1		1	2
			IF NO, G	O TO I-11				
02.	1	2	1	2			1	2
	i		IF NO, G	O TO I-11				
03.	1	2	1	2	1 1		1	2
			IF NO, G	O TO I-11				
04.	1	2	1	2			1	2
			IF NO, G	O TO I-11				
05.	1	2	1	2			1	2
			IF NO, G	O TO I-11				

I-13. Did you ever injure your neck	or back severely?	YES		•••••
, , , , , , , , , , , , , , , , , , ,	·	NO	(I-18)	
I-14. How many times did this happ	oon?			
1-14. How many times did this happ	en:			
				#TIMES
			#SUB	

I-15.	I-	-16.	I-17.	
How old were you (the last time you	How much tim	•	Did you get medical	
severely injured your neck or	off work becau		help?	
back/the time before that)?	injury? (NON	E = 00)		Ì
AGE	#HOURS	OR #DAYS	YES	NO
01.			1	2
02.) 1 1 1	1 1 1 1	1	2
				ĺ
03.				
03.	1 1 1		1	2
04.			1	2
	1 1 1		1	2
<u> </u>		L <u>—</u> ———————————————————————————————————		ļ
05.			1	2
			*	-
		السلسلسا		

Now I'd like to ask about some symptoms you may have had in the last two months. The first questions are about your memory, your feelings, and sleep.

a. have you often had trouble remembering things? b. have your relatives or your friends often told you that you are forgetful? c. have you often forgotten to do something you consider important?	YES 1	NO2
b. have your relatives or your friends often told you that you are forgetful?	1	
b. have your relatives or your friends often told you that you are forgetful?		2
	1	
c. have you often forgotten to do something you consider important?		2
	1	2
d. have you often had difficulty concentrating?	1	2
e. have you often found it hard to understand news programs or other shows you watch on TV or listen to on the radio?	1	2
f. have you often felt irritated or angry for no particular reason?	1	2
g. have you often felt sad or depressed for no particular reason?	1	2
h. have you often had a problem deciding to do something even when you know you have to do it?	1	2
i. have you often felt no interest in things you used to be interested in, such as your work, your friends, or your activities?	1	2
j. have you often had problems falling asleep when you first go to bed?	1	2
k. have you often woken up and then had difficulty getting back to sleep?	1	2

I-19.	
During the past two months, how many times have you (SYMPTOM)?	
(NONE = 00)	
(SHOW PICTURES)	
SYMPTOM	#TIMES
a. had a headache	1 1 1
b. felt dizzy	
b. left dizzy	
c. had blurred, cloudy, or double vision	
d. had itching or burning skin or a skin rash	1 1 1
e. had difficulty breathing or an episode of wheezing	1 1 1
f. had tightness or discomfort in your chest	
i. Had tightness of discomfort in your chest	
g. had heart palpitations without having exerted yourself	
h. had an upset stomach or vomited	1 1 1
i. had intestinal cramps or diarrhea	
in the investment stamps of distribution	
: Calt many timed them year reguld in at from regulating	
j. felt more tired than you would just from working	} }
k. felt like you lost strength in your arms, hands, legs, or feet	1 1 1
1. felt tremors or twitches in your arms, hands, legs, or feet	1 1 1
m. had less feeling or no feeling in some part of your arms, hands,	
legs, or feet	
n. felt a painful tingling in some part of your body	
in. Lett a painted thighing in some part of your body	
	
o. sweated an unusual amount without having exerted yourself	1 1 1
p. drooled or had an unusual amount of saliva in your mouth	1 1 1
q. had an unusual amount of tears in your eyes	·
r. had difficulty walking	
1. Had difficulty warking	
s. had a seizure or lost consciousness all of a sudden	
t. had the pupils in your eyes get very small	1 1 1

been discu All these s might be d Now pleas Was there these symp	ures show the physic ssing. (SHOW PIC ymptoms can occur ue to pesticide expo e think about your w ever a time when yo otoms at one time, an icide exposure?	at any time or they Sure. Whole life. Use had several of	1 (SECTION J)2
I-21. How many	times has this happ	ened?	#TIMES
		-22 THROUGH I-28 MUST BE EQUAL T	O THE NUMBER GIVEN FOR 1-2
I-22.	I-23.	I-24.	I-25.
What year did this happen (most recently/ the time before that)?	Did you have these symptoms at work or within 4 hours of leaving work?	What were the three worst symptoms you had at that time? (SHOW PICTURE)	Describe the exposure that you think caused your symptoms.
YEAR	YES NO	LIST SYMPTOMS	
01.	1 2		
02.	1 2		
03.	1 2		
04.	1 2		

#SUB	1 1 1

I-26.	I-27.	I-2	28
Did you get medical help?	What treatment were you given?	Did a docto	
Dia you get medical neip.	What treatment were you given:	medical pro	
		tell you tha	t you had
		pesticide p	oisoning?
YES NO	DESCRIBE TREATMENT	YES	NO
TES NO	DESCRIBE TREATMENT	1123	NO
1 2		1	2
			I
(IF NO, GO TO 02)			
1 2		1	2
· ·			
(IF NO, GO TO 03)			
1 2		1	2
-			2
(IF NO, GO TO 04)			
1			
1 2		1	2
(IF NO, GO TO 05 OR			
SECTION J)			

CONTINUATION SHEETS

YES

NO

SECTION J: GENERAL INFORMATION II

The next questions are about your education.

J1.	What is the highest grade of school you comple Please include GED. (GED = GRADE 12; COLLEGE GRADUATE = GRADE 16)	ted	(NEVER WENT TO S	GRADE CHOOL=00 KIP TO J3)
	R HAS MORE THAN 12 YEARS OF EDUCAT at did you study?/ What did you train for?	TIO	ON, ASK:	
J2.	How many years did you go to school in the United States?			#YEARS
J3.	Have you attended any of the following special classes in the United States?		·	IONE = 00)
		a.	English or ESL (English as a Second Language)1	NO
		h	citizenship	2
		c.	literacy	2
			(learning to read and write)1	2
		d.	job or vocational training	2
		e.	any other class	2
J4.	What is your present marital status?		Married or living as married	
	(READ CATEGORIES)		Separated or divorced	
			Widowed Never married	
			1,0,01 marriod	

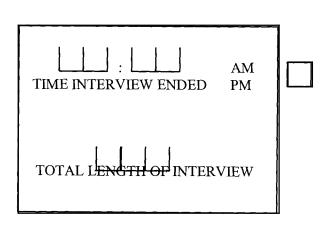
IF R HAS NEVER WORKED, SKIP TO J6.

Now I'd like to ask whether you are concerned that your work may hurt your health.

	J5. e you very concerned, a little concerned, or not at all neerned that?	Very concerned	A little concerned	Not at all concerned	Not applicable
a.	the work you currently do may hurt your health?	1	2	3	6
b.	the work you have done throughout your life may have hurt your health?	1	2	3	6
c.	doing any kind of work with pesticides at anytime in your life may have hurt your health?	1	2	3	6

ſ6.	Given the questions I have asked, is there anything more you think I should know about your work experience your exposure to pesticides, or your health?			

Thank you for participating in this interview.



SECTION K: INTERVIEWER REMARKS

K1.	RESPONDENT:		lacked interest in interview	2	
K2.	RESPONDENT WAS:		hostile toward interviewersuspiciousfriendlyextremely friendly	2	
K3.	RESPONDENT'S TEN	NSION	nervous, fidgety mostly relaxed		
K4.	GROOMING, PERSONAL UPKEEP WAS:		untidy, not clean		
K5.	CIRCLE YES OR NO	FOR EACH STATEMENT DESC	RIBING RESPONDENT DURING INTER	RVIEW:	
	a. b. c. d.	speech is blurredstutters or stammersinarticulatehas a sad expression	1 2		
K6.	ALCOHOL USE PRIOR TO INTERVIEW:				
	a. b.	1			

K7.	WHERE DID INTERVIE TAKE PLACE?	W		Study officeRespondent's home			
K8.	RESPONDENT'S COOP	ERATION WAS:	Poor Fair Good Very good				
K9.	THE OVERALL QUALITHIS INTERVIEW IS:	ГҮ ОҒ	Fair quality (ANSW Good quality	Poor quality (ANSWER K10 & K11)1 Fair quality (ANSWER K10 & K11)2 Good quality			
K10.		MATION WAS BECAU	JSE THE RESPONDENT:	NO			
	4:4	dtad.a	YES 1	<u>NO</u>			
		derstand some of the quiderstand or speak either	estions1	2			
		=	1	2			
			1	2			
			1	2			
	1 7 7			_			
				2			
			than usual1	2 2			
			1	2			
	_		1	2			
				2			
	SPECIF I		 _				
K11.	WHICH SECTIONS DO YOU THINK WERE AFFECTED BY THE ABOVE CIRCUMSTANCES?						
			YES	<u>NO</u>			
			1	2			
			1	2			
			1	2			
			1	2			
			1	2			
	9		1 1	2 2			
				2 2			
			1	2			
			1	2			